

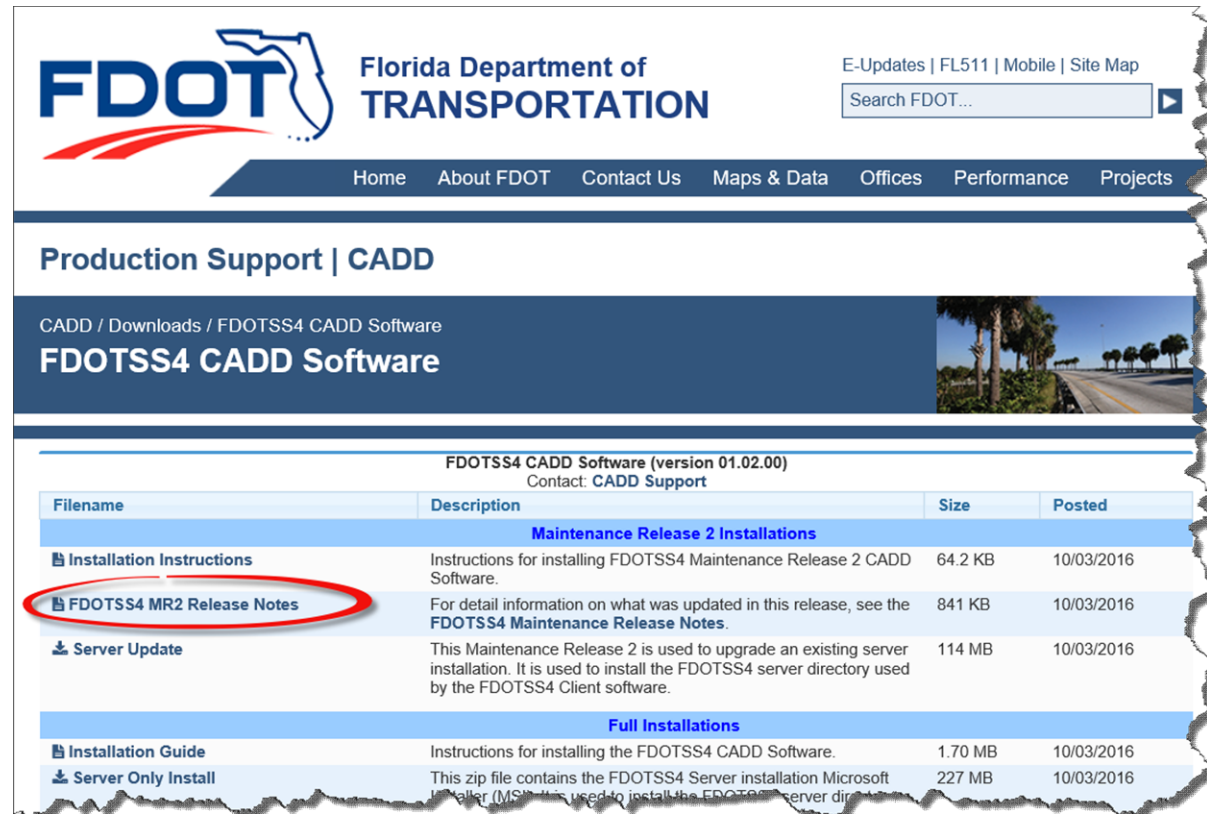
FDOTSS4 MR2 Update








Maintenance Release 2

Learning Objective

- ◆ Overview of new and updated features in FDOTSS4 MR2
 - ✓ More detail available in release notes available with the software downloads:



The screenshot shows the FDOTSS4 CADD Software download page. The page header includes the FDOT logo, the text 'Florida Department of TRANSPORTATION', and navigation links: 'E-Updates | FL511 | Mobile | Site Map'. A search bar is also present. The main navigation bar includes 'Home', 'About FDOT', 'Contact Us', 'Maps & Data', 'Offices', 'Performance', and 'Projects'. The page title is 'Production Support | CADD'. Below this, the breadcrumb trail reads 'CADD / Downloads / FDOTSS4 CADD Software'. The main heading is 'FDOTSS4 CADD Software'. A table lists the software files, with the 'FDOTSS4 MR2 Release Notes' link circled in red.

Filename	Description	Size	Posted
FDOTSS4 CADD Software (version 01.02.00) Contact: CADD Support			
Maintenance Release 2 Installations			
 Installation Instructions	Instructions for installing FDOTSS4 Maintenance Release 2 CADD Software.	64.2 KB	10/03/2016
 FDOTSS4 MR2 Release Notes	For detail information on what was updated in this release, see the FDOTSS4 Maintenance Release Notes .	841 KB	10/03/2016
 Server Update	This Maintenance Release 2 is used to upgrade an existing server installation. It is used to install the FDOTSS4 server directory used by the FDOTSS4 Client software.	114 MB	10/03/2016
Full Installations			
 Installation Guide	Instructions for installing the FDOTSS4 CADD Software.	1.70 MB	10/03/2016
 Server Only Install	This zip file contains the FDOTSS4 Server installation Microsoft Installer (MSI). It is used to install the FDOTSS4 server directory.	227 MB	10/03/2016



Rebranding

Engineering \ CADD Systems Office (ECSO) has recently been merged with the Production Support Office. You will now see Production Support Office | CADD or more generically just CADD instead of Engineering \ CADD Systems Office or ECSO.

- ✓ Any reference to ECSO in FDOTSS4 was updated
- ✓ ecso.support@dot.state.fl.us is being replaced by cadd.support@dot.state.fl.us

FDOT Launching New Web Address

Friday (October 7th after 7:00 p.m.), the web address for the department's internet website was changed from www.dot.state.fl.us to www.fdot.gov.

Office web addresses were also be renamed. Use the following link to see a list of the address for a department office:

<http://www.dot.state.fl.us/agencyresources/domainchange/websites.shtml>.

For more information on this project, please review the list of frequently asked questions at <http://infonet.dot.state.fl.us/domainchange/questions-staff.pdf>

- ◆ Links to help files have been updated.
- ◆ Shortcuts to web addresses have been updated.



System Requirements Updated

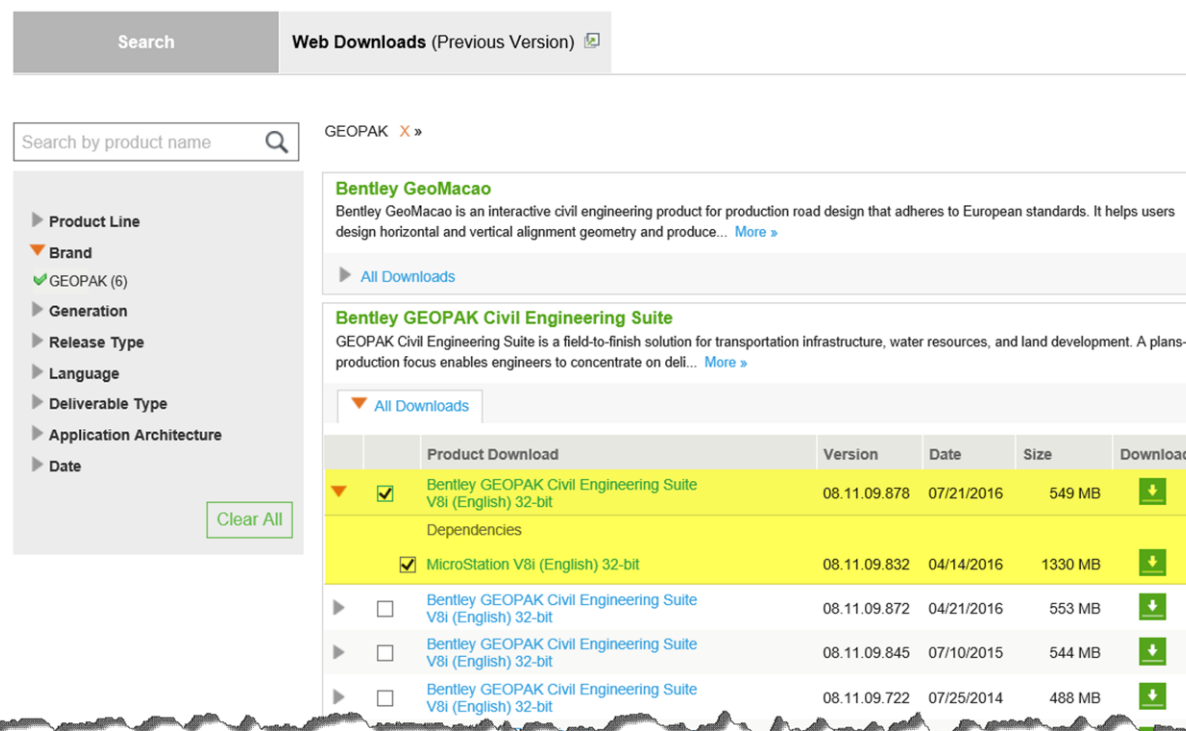
◆ **System Requirements**

- ✓ Microsoft Windows 7 or **Microsoft Windows 10**
- ✓ 32 bit or 64 bit Operating Systems
- ✓ Microsoft .NET Framework 3.5
- ✓ Microsoft Office 2013 (can be configured for Office 2003, 2007 or 2010)
- ✓ PowerGEOPAK **08.11.09.878**
- ✓ -or-
- ✓ MicroStation **08.11.09.832**
- ✓ GEOPAK Suite **08.11.09.878**








Where To Find MicroStation

- ◆ *The best way access and download MicroStation from Bentley's SELECTServices site is to Search for the 08.11.09.878 version of the BENTLEY GEOPAK Civil Engineering Suite and download it with its dependent version of MicroStation.*



The screenshot shows the Bentley SELECTServices website interface. At the top, there is a search bar and a 'Web Downloads (Previous Version)' link. Below the search bar, the search results for 'GEOPAK' are displayed. The results include a section for 'Bentley GeoMacao' and a section for 'Bentley GEOPAK Civil Engineering Suite'. The 'Bentley GEOPAK Civil Engineering Suite' section contains a table of product downloads and their dependencies.

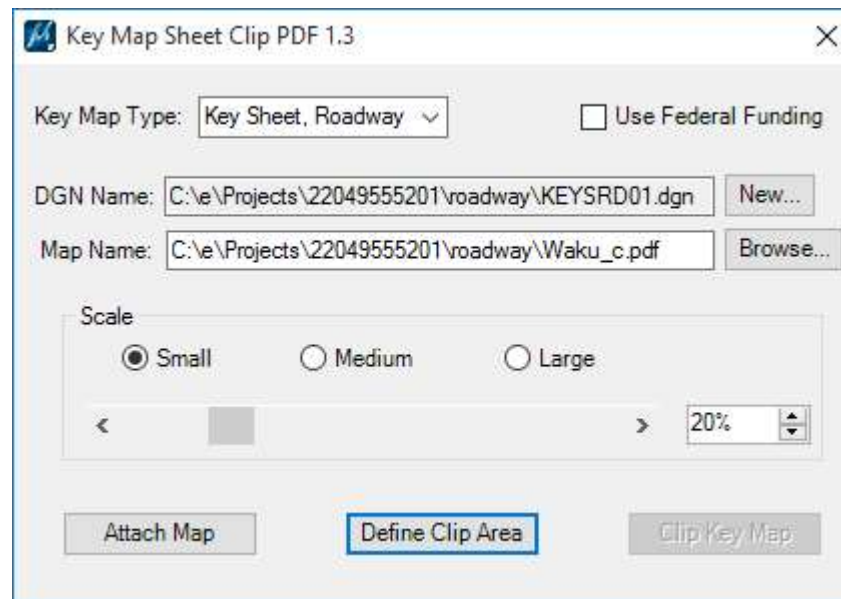
	Product Download	Version	Date	Size	Download
▼	<input checked="" type="checkbox"/> Bentley GEOPAK Civil Engineering Suite V8i (English) 32-bit	08.11.09.878	07/21/2016	549 MB	
	Dependencies				
	<input checked="" type="checkbox"/> MicroStation V8i (English) 32-bit	08.11.09.832	04/14/2016	1330 MB	
▶	<input type="checkbox"/> Bentley GEOPAK Civil Engineering Suite V8i (English) 32-bit	08.11.09.872	04/21/2016	553 MB	
▶	<input type="checkbox"/> Bentley GEOPAK Civil Engineering Suite V8i (English) 32-bit	08.11.09.845	07/10/2015	544 MB	
▶	<input type="checkbox"/> Bentley GEOPAK Civil Engineering Suite V8i (English) 32-bit	08.11.09.722	07/25/2014	488 MB	



New PDF Key Map Clipping Tool

A new Key Sheet clipping tool is included which attaches PDF versions of a map.

- ◆ Makes printing shaded maps easier.
- ◆ Adjust scale of clipped area easily.



The screenshot shows a dialog box titled "Key Map Sheet Clip PDF 1.3". It contains the following fields and controls:

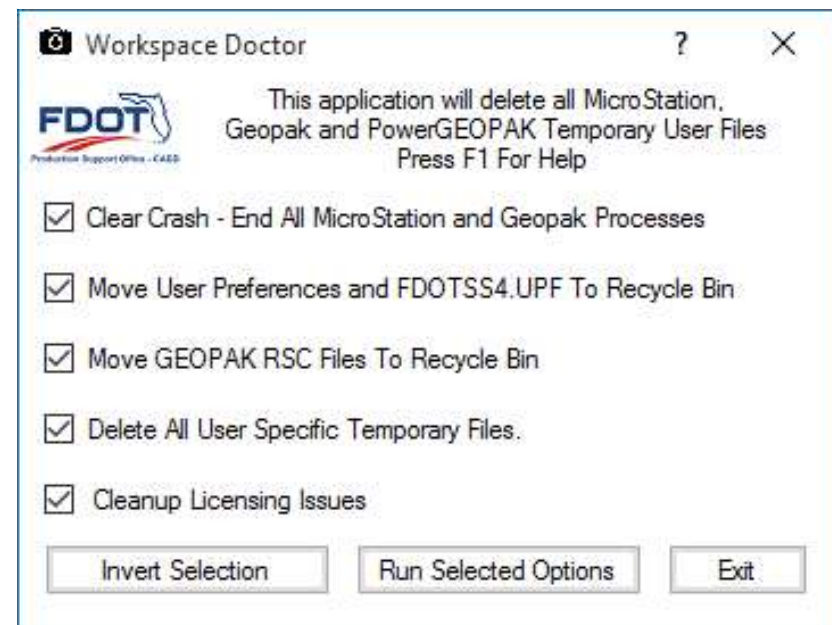
- Key Map Type:** A dropdown menu set to "Key Sheet, Roadway".
- Use Federal Funding:** An unchecked checkbox.
- DGN Name:** A text field containing "C:\e\Projects\22049555201\roadway\KEYSRD01.dgn" and a "New..." button.
- Map Name:** A text field containing "C:\e\Projects\22049555201\roadway\Waku_c.pdf" and a "Browse..." button.
- Scale:** A section with three radio buttons: "Small" (selected), "Medium", and "Large". Below them is a horizontal slider with left and right arrow buttons, and a percentage field set to "20%".
- Buttons:** "Attach Map", "Define Clip Area" (highlighted with a blue border), and "Clip Key Map".



Workspace Doctor

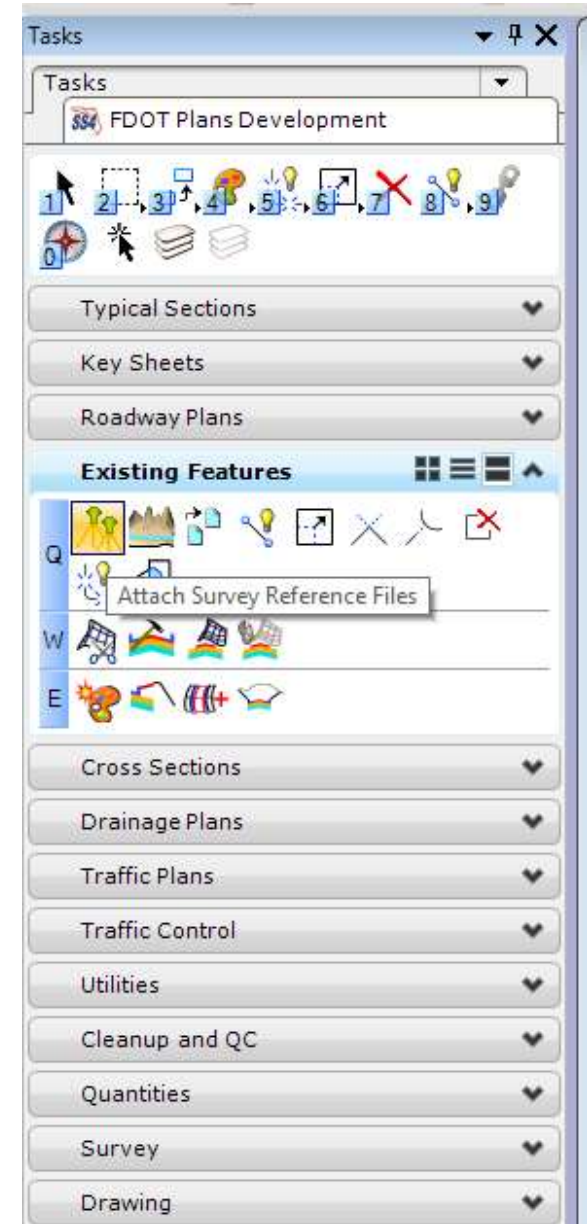
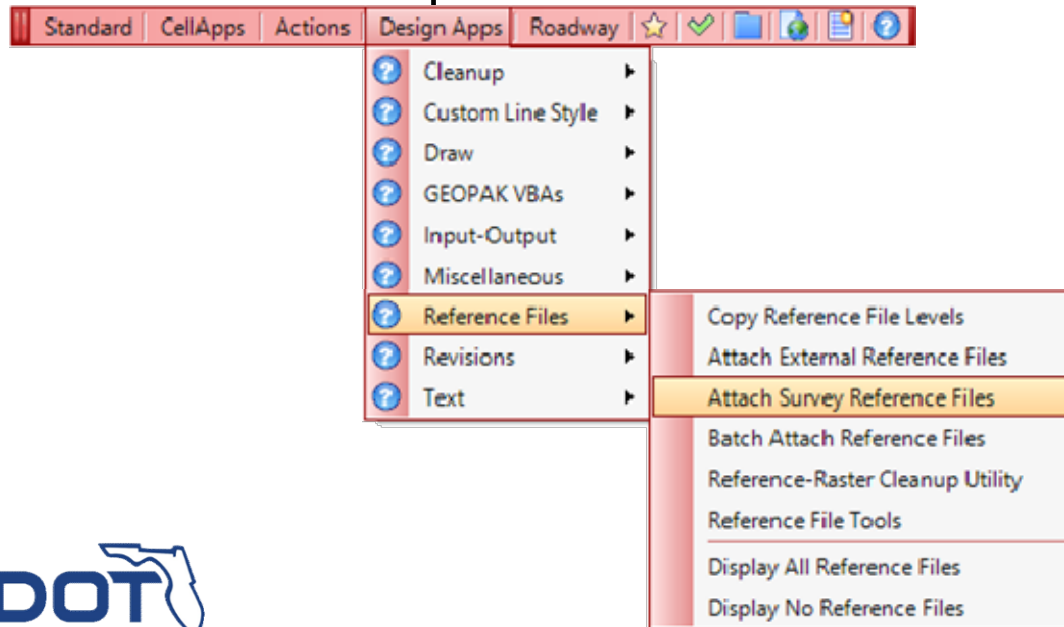
Workspace Doctor is a new application that will help you manage the temporary files used by MicroStation and GEOPAK.

- ◆ It can run Clear Crash, to stop orphaned GEOPAK processes or locked up MicroStation sessions.
- ◆ It can remove GEOPAK Resource file and MicroStation UPF files .
- ◆ It can remove temporary files in user profile.
- ◆ It can cleanup licensing issues.



Attach SURVRD References

- ◆ SURVRD files are a single file survey deliverable which contains the existing topo, drainage, utilities and a DTM.
- ◆ A VBA was developed to automate the attachment of multiple references to this file so the display and printing can be managed as it was when multiple files were delivered.



CADD Standards

◆ New Levels

- ✓ DrainMisc_pm Drainage Items (Proposed Model) (Miscellaneous)
- ✓ PipeCulvert_ex Pipe Culvert in Cross Sections (Existing Cross Section)
- ✓ ConcreteRemoval for area computations for concrete removal (sidewalks/driveways, curb elements, ditch pavement, slope pavement, and concrete rigid pavement)
- ✓ BLSurvey_px and CLConst_px added

◆ Civil Features

- ✓ Updated features to allow 3D model to pass QC and for Cross Section cell features to plot on *_px levels
- ✓ Added colors for construction lines
- ✓ Added component and surface features for Pavement Asphalt FC
- ✓ Revised the Feature Name prefix for RW , Fence, and Wetland lines to be use for labeling on cross sections
- ✓ Updated Traffic Plans Feature library to match DDB
- ✓ Added existing Drainage Structures for SUE



CADD Standards Continued

- ◆ Level Changes
 - ✓ Correct drainage levels color to 10
 - ✓ Made corrections to some descriptions
 - ✓ Made ConstLines_pm non-plotting
 - ✓ New linestyle for TreeProtection level
- ◆ Rule Files adjusted
- ◆ Sheet Navigator updated for Structures file name changes
- ◆ Removed obsolete filenames (AMGMRD, CORRRD, & RDTMRD) and created a new filename MODLRD for Proposed Design Model



Survey Levels and Features

Created new Survey Levels & Feature Codes and added to Rules - TOPORD & SURVRD:

Feature Code	Level	
◆ PAVBRK	PavtBreak_ep	Identifies a change in pavement slope
◆ STAL	PavemkSTL_ep	Straight \ Left Arrow
◆ STAR	PavemkSTR_ep	Straight \ Right Arrow
◆ TAL	PavemkTL_ep	Left Arrow
◆ TAR	PavemkTR_ep	Right Arrow
◆ Umisc	UtilMisc_ep	Miscellaneous Utility



LDM Updates

Bug Fixes

- ◆ Addressed issues with symbols not coming in correctly in Excel links

Templates

- ◆ Added Drainage map notes from the PPM, Vol. 2, Chapter 5.
- ◆ Renamed Summary of Clearing and Grubbing & Removal Items as directed in the PPM & Program Management Bulletin 16-06 for the Selective Clearing & Grubbing.
- ◆ Summary of Pavement - Added new asphalt & friction course pay items per Program Management Bulletin 16-03 and Roadway Design Bulletin 16-05.
- ◆ Summary of Side drain and MES - Added pay items for the pipe and MES's to the summary boxes
- ◆ Summary of Guardrail – Updated for special posts



DDB Updates

◆ Pavement Markings

- ✓ Modified descriptions for consistency
- ✓ Preformed Thermoplastic
 - Corrections for Paint Quantities
 - Added Arrows and Messages for Use on Concrete

◆ Litter Removal/Mowing

- ✓ Now uses 2 different levels

◆ Asphalt/Friction Course

- ✓ Items added to adhere to Roadway Design Bulletin 16-05

◆ Clearing & Grubbing – Roadway Design Bulletin 16-10

- ✓ Added Selective Clearing & Grubbing Items
- ✓ Added new Tree Barrier
- ✓ Added new Removal of Existing Concrete Items

◆ Drainage

- ✓ Added SortBy Adhoc to items that include Sod Quantities
 - Fixes sorting issue with LDM Summary Box Automation

◆ Minor Corrections



Template Library Updates

- ◆ Set all trigger lines and switches to be excluded from triangulation.
- ◆ Added “Superelevation Shoulder Rollover Transitions” template to “Examples for Training” folder
- ◆ Added Variable Milling/Overbuild Cross Slope Correction Templates
- ◆ Added 2 Urban Driveway Templates developed for alternative design methods on projects
- ◆ Changed the Guardrail top out block point feature to use 3D_pm line
- ◆ Added a Surface Template for SOD areas

Contact Info



Jimmie Prow

CADD Support Coordinator

Phone no: (850) 414-4863

Toll Free no: (866) 374-3368 extension 4863

email cadd.support@dot.state.fl.us

jimmie.prow@dot.state.fl.us

web: <http://www.fdot.gov/cadd/>